JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 407 (1991)

AUTHOR INDEX

Adams, H., (407) 247
Albano, V.G., (407) C9
Alvanipour, A., (407) 17
Ansorge, A., (407) 283

Bailey, N.A., (407) 247
Ballesteros, A., (407) C23
Bärhausen, D., (407) C23
Bercaw, J.E., (407) 51
Bloem, P., (407) C19
Boersma, J., (407) 301
Brauer, D.J., (407) 283
Brintzinger, H.H., (407) 207
Bruce, M.I., (407) 391
Bunel, E.E., (407) 51
Bürger, H., (407) 283
Burger, P., (407) 207

Cané, M., (407) C9
Casellato, U., (407) 369
Castagnoli, C., (407) C30
Castiglioni, M., (407) 377
Catellani, M., (407) C30
Chan, H.S.O., (407) 353
Chang, C.-J., (407) 225
Chen, J., (407) 191
Chiusoli, G.P., (407) C30
Chulkova, T.N., (407) 181
Coston, T., (407) C13
Coville, N.J., (407) 359

Dahlenburg, L., (407) 115
David, D.M., (407) C19
Day, A.N., (407) 247
De Wit, M., (407) 301
Delgado, S., (407) 125
Derouiche, Y., (407) 41
Donath, H., (407) 167
Dörrenbach, F., (407) 283
Dötz, K.H., (407) 337
Druzhkova, O.N., (407) 181

Elias, W.J., (407) 81

Filippou, A.C., (407) 61
Fochi, G., (407) 279
Frosin, K.-M., (407) 115
Fujii, T., (407) C1

Giordano, R., (407) 377
Graziani, R., (407) 369
Grünleitner, W., (407) 61

Hagen, T., (407) 283
Hall, C.D., (407) 107
Hamamura, K., (407) 271
Harrison, M.M., (407) 247
Heijdenrijk, D., (407) 301
Hirao, T., (407) C1
Ho, D.M., (407) 259
Hoberg, H., (407) C23
Hogarth, G., (407) 91
Hor, T.S.A., (407) 353

Iapalucci, M.C., (407) C9
Ishikawa, M., (407) 157

Jain, V.K., (407) 173
Jastrzebski, J.T.B.H., (407) 301
Jégat, C., (407) C23
Jenner, G., (407) 135
Johansen, J.D., (407) 17
Johnson, B.F.G., (407) C13

Kaganovich, V.S., (407) 215
Kai, Y., (407) 191
Kalbarczyk-Bidelska, E., (407) 143
Kane-Maguire, L.A.P., (407) C19
Kasai, N., (407) 191
Keller, A., (407) 237
Kerstan, S., (407) 115
Koten, G. van, (407) 301
Koutsantonis, G.A., (407) 391

Leins, A.E., (407) 359
Lesch, A., (407) 31
Leue, V., (407) 337
Lewis, J., (407) C13
Liao, F.-L., (407) 225
Lickiss, P.D., (407) 41
Longato, B., (407) 369
Longoni, G., (407) C9
Lorberth, J., (407) 167, 313

Macazaga, Ma.J., (407) 125
Malysheva, I.P., (407) 181
Marsella, J.A., (407) 97
Massa, W., (407) 167, 313
McPhail, A.T., (407) 17
Milchereit, A., (407) C23
Mitchell, T.N., (407) 319
Mokal, V.B., (407) 173
Monari, M., (407) C9
Moreno, C., (407) 125
Morris, M.J., (407) 247
Motz, P.L., (407) 259
Munz, C., (407) 413

Nahmed, E.M., (407) 135
Nakamura, A., (407) 191
Naumann, D., (407) 1
Nonoyama, M., (407) 271
Nucci, L., (407) 279
Nyburg, C., (407) 107

Ohshiro, Y., (407) C1
Orchin, M., (407) 259
Oshita, J., (407) 157
Otto, M., (407) 313

Parkins, A.W., (407) 107
Pasterczyk, J.W., (407) 17
Pasynkiewicz, S., (407) 143
Pawelke, G., (407) 283
Peters, K., (407) 31
Phang, L.-T., (407) 353
Piers, W.E., (407) 51
Pilloni, G., (407) 369
Powell, K.R., (407) 81
Pyne, S.G., (407) C19

Qian, C., (407) 329

Rybinskaya, M.I., (407) 215

Sappa, E., (407) 377
Schaaf, P.A. van der, (407) 301
Schneider, U., (407) 319
Sharpe, N.W., (407) 107
Shcherbakov, V.I., (407) 181
Shin, S.-H., (407) 167, 313
Shiu, K.-B., (407) 225
Sigan, A., (407) C23
Skelton, B.W., (407) C19
Stam, C.H., (407) 301
Stephan, C., (407) 413
Strauß, W., (407) 1

Tan, K.L., (407) 353
Tiekink, E.R.T., (407) 173, 391
tom Dieck, H., (407) 413
Tyrra, W., (407) 1

Van der Schaaf, P.A., (407) 301
Van Koten, G., (407) 301

Wang, S.-L., (407) 225
Wang, Y., (407) 301
Weidenbruch, M., (407) 31
Welker, M.E., (407) 81
Wells, R.L., (407) 17
Werner, D., (407) 115
Weuter, W., (407) 283
White, A.H., (407) C19
Wilkinson, D., (407) C13
Wit, M. de, (407) 301
Wocadlo, S., (407) 167, 313

Yamamoto, H., (407) 191
Yang, X., (407) 329
Yashina, N.S., (407) 313
Yasuda, H., (407) 191
Ye, C., (407) 329

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 407 (1991)

SUBJECT INDEX

Aluminium

Dinitrosylmolybdenum alkylidene complexes containing n-alkyl alkoxy ligands; synthesis, spectroscopic characterisation and metathesis activity of (A. Keller), (407) 237

Arsenic

Gallium-arsenic compounds containing a four-membered Ga–As–Ga–Cl or Ga–As–Ga–As ring, synthesis and characterisation of; crystal structures of $(Me_3SiCH_2)_2GaAs(SiMe_3)_2Ga(CH_2SiMe_3)_2Cl$ and $[(Me_3SiCH_2)_2GaAs(SiMe_3)_2]_2$ (R.L. Wells, J.W. Pasterczyk, A.T. McPhail, J.D. Johansen, A. Alvanipour), (407) 17

Boron

$(ArBMe_3)Li \cdot D$ complexes (Ar = $C_6H_4CH(X)NMe_2$-2); structure, dynamic molecular processes and the nature of the carbon–lithium bond in the light of multinuclear (^1H, ^{13}C, ^7Li, ^{11}B) NMR measurements at variable temperature (E. Kalbarczyk-Bidelska, S. Pasynkiewicz), (407) 143

Dialkylaminobis(trifluoromethyl)boranes, [2+2] cycloaddition reactions with isocyanates and isothiocyanates; crystal structures of $(CF_3)_2BNMe_2CON^tBu$, $(CF_3)_2BNMe_2CSN^tBu$, $(CF_3)_2BNPhC(NMe_2)S$ and $(CF_3)_2BNMeC(NEt_2)OCONMe$ (A. Ansorge, D.J. Brauer, H. Bürger, F. Dörrenbach, T. Hagen, G. Pawelke, W. Weuter), (407) 283

Cadmium

Trifluoromethyl gallium, indium, and thallium compounds, syntheses of; mechanism of polar trifluoromethyl group transfer (D. Naumann, W. Strauß, W. Tyrra), (407) 1

Chromium

Arene tricarbonylchromium moieties, diastereoselective nucleophilic additions to imines attached to (P. Bloem, D.M. David, L.A.P. Kane-Maguire, S.G. Pyne, B.W. Skelton, A.H. White), (407) C19

Chromium and tungsten thiocarbene complexes, preparation of; insertion and annulation reactions of (K.H. Dötz, V. Leue), (407) 337

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

Unidentate and heterobimetallic 1,1′-bis(diphenylphosphino)ferrocene complexes, X-ray photoelectron spectroscopic differentiation of chemically distinct phosphorus environments in (H.S.O. Chan, T.S.A. Hor, L.-T. Phang, K.L. Tan), (407) 353

Cobalt

Cobalt-catalysed conversion of methyl formate into acetic acid (G. Jenner, E.M. Nahmed), (407) 135

$Co_4(CO)_{12}$, reactions with polydentate ligands; fragmentation kinetic studies of substituted derivatives (C. Moreno, Ma.J. Macazaga, S. Delgado), (407) 125

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

Dysprosium

Organo rare earth hydrides, synthesis and reactivity of (C. Ye, C. Qian, X. Yang), (407) 329

Erbium

Organo rare earth hydrides, synthesis and reactivity of (C. Ye, C. Qian, X. Yang), (407) 329

Gallium

Gallium-arsenic compounds containing a four-membered Ga–As–Ga–Cl or Ga–As–Ga–As ring, synthesis and characterisation of; crystal structures of $(Me_3SiCH_2)_2GaAs(SiMe_3)_2Ga(CH_2SiMe_3)_2Cl$ and $[(Me_3SiCH_2)_2GaAs(SiMe_3)_2]_2$ (R.L. Wells, J.W. Pasterczyk, A.T. McPhail, J.D. Johansen, A. Alvanipour), (407) 17

Trifluoromethyl gallium, indium, and thallium compounds, syntheses of; mechanism of polar trifluoromethyl group transfer (D. Naumann, W. Strauß, W. Tyrra), (407) 1

Indium

In–Fe heteronuclear carbonyl compounds, synthesis and chemical characterisation of; crystal structures of $[NMe_3CH_2Ph]_3[In\{Fe(CO)_4\}_3]$ and $[NEt_4]_2[In_2Br_4\{\mu\text{-}Fe(CO)_4\}_2]$ (V.G. Albano, M. Cané, M.C. Iapalucci, G. Longoni, M. Monari), (407) C9

Trifluoromethyl gallium, indium, and thallium compounds, syntheses of; mechanism of polar trifluoromethyl group transfer (D. Naumann, W. Strauß, W. Tyrra), (407) 1

Iridium

Iron–iridium clusters; X-ray structures of $Fe_2Ir(\mu_3\text{-}C_2Ph)(CO)_8(PPh_3)$, $FeIr_2(\mu_3\text{-}\eta^2\text{-}PhC_2C_2Ph)(CO)_7(PPh_3)_2$ and $Fe_2Ir(\mu_3\text{-}PhC_2PEt_3)(CO)_7(PEt_3)$ (M.I. Bruce, G.A. Koutsantonis, E.R.T. Tiekink), (407) 391

Iron

Cyclopalladated *N,N*-dimethylferrocenecarbothioamide, derivatives of (M. Nonoyama, K. Hamamura), (407) 271

Di-iron centre-bridging ethenyl ligand, generation via carbon–phosphorus bond cleavage (G. Hogarth), (407) 91

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

In–Fe heteronuclear carbonyl compounds, synthesis and chemical characterisation of; crystal structures of $[NMe_3CH_2Ph]_3[In\{Fe(CO)_4\}_3]$ and $[NEt_4]_2[In_2Br_4\{\mu\text{-}Fe(CO)_4\}_2]$ (V.G. Albano, M. Cané, M.C. Iapalucci, G. Longoni, M. Monari), (407) C9

Iron–iridium clusters; X-ray structures of $Fe_2Ir(\mu_3\text{-}C_2Ph)(CO)_8(PPh_3)$, $FeIr_2(\mu_3\text{-}\eta^2\text{-}PhC_2C_2Ph)(CO)_7(PPh_3)_2$ and $Fe_2Ir(\mu_3\text{-}PhC_2PEt_3)(CO)_7(PEt_3)$ (M.I. Bruce, G.A. Koutsantonis, E.R.T. Tiekink), (407) 391

μ_3-Phosphinidene-bridged iron and ruthenium clusters, selective hydrogenation of diphenylacetylene and isomerisation of *cis*-stilbene in the presence of (M. Castiglioni, R. Giordano, E. Sappa), (407) 377

$[Rh(dppf)(\eta^6\text{-}C_6H_5)B(C_6H_5)_3]$ (dppf = 1,1′-bis(diphenylphosphino)ferrocene), synthesis and crystal structure of (B. Longato, G. Pilloni, R. Graziani, U. Casellato), (407) 369

Simple iron alkyls, reactions with a thiosulfinate ester capable of serving as a disulfur monoxide source (K.R. Powell, W.J. Elias, M.E. Welker), (407) 81

Unidentate and heterobimetallic 1,1′-bis(diphenylphosphino)ferrocene complexes, X-ray photoelectron spectroscopic differentiation of chemically distinct phosphorus environments in (H.S.O. Chan, T.S.A. Hor, L.-T. Phang, K.L. Tan), (407) 353

Lithium

$(ArBMe_3)Li\cdot D$ complexes ($Ar = C_6H_4CH(X)NMe_2$-2); structure, dynamic molecular processes and the nature of the carbon–lithium bond in the light of multinuclear (^1H, ^{13}C, ^7Li, ^{11}B) NMR measurements at variable temperature (E. Kalbarczyk-Bidelska, S. Pasynkiewicz), (407) 143

Lutetium

Organo rare earth hydrides, synthesis and reactivity of (C. Ye, C. Qian, X. Yang), (407) 329

Manganese

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

Hydroxycarbene complex $[(DPPP)(CO)_3Mn{=}C(OH)CH_3]^+[CF_3SO_3]^-$, {*facial*-[1,3-bis(diphenylphosphino)propane(methylhydroxycarbene)tricarbonylmanganese(I)]} triflate; X-ray structure of (P.L. Motz, D.M. Ho, M. Orchin), (407) 259

Metallocenes

Cyclopalladated *N,N*-dimethylferrocenecarbothioamide, derivatives of (M. Nonoyama, K. Hamamura), (407) 271

Etheno-bridged *ansa*-titanocene derivatives, syntheses by the McMurry reaction (P. Burger, H.H. Brintzinger), (407) 207

$[Rh(dppf)(\eta^6\text{-}C_6H_5)B(C_6H_5)_3]$ (dppf = 1,1′-bis(diphenylphosphino)ferrocene), synthesis and crystal structure of (B. Longato, G. Pilloni, R. Graziani, U. Casellato), (407) 369

1,1′-(1,4,10,13-Tetraoxa-7,16-diazacyclooctadecane-7,16-diyldicarbonyl)ruthenocene, crystal structure of (C.D. Hall, A.W. Parkins, S.C. Nyburg, N.W. Sharpe), (407) 107

Unidentate and heterobimetallic 1,1′-bis(diphenylphosphino)ferrocene complexes, X-ray photoelectron spectroscopic differentiation of chemically distinct phosphorus environments in (H.S.O. Chan, T.S.A. Hor, L.-T. Phang, K.L. Tan), (407) 353

Molybdenum

$[CpM(CO)_3PPh_2]$ (Cp = η-C_5H_5, M = Mo, W) metallophosphines, reactivity towards alkynes; X-ray crystal structure of $[CpMo(CO)_2\{Ph_2PCH{=}C(Ph)CO\}]$ (H. Adams, N.A. Bailey, A.N. Day, M.J. Morris, M.M. Harrison), (407) 247

Dinitrosylmolybdenum alkylidene complexes containing n-alkyl alkoxy ligands; synthesis, spectroscopic characterisation and metathesis activity of (A. Keller), (407) 237

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

Molybdenum π-allyldicarbonyl complexes containing pyrazole-derived bidentate ligands; synthesis, structure and behavior in solution of (K.-B. Shiu, C.-J. Chang, S.-L. Wang, F.-L. Liao), (407) 225

Unidentate and heterobimetallic 1,1′-bis(diphenylphosphino)ferrocene complexes, X-ray photoelectron spectroscopic differentiation of chemically distinct phosphorus environments in (H.S.O. Chan, T.S.A. Hor, L.-T. Phang, K.L. Tan), (407) 353

Nickel

Nickela compounds with a five-membered ring, ring contraction of; use of the resulting four-membered ring compounds in preparative chemistry (H. Hoberg, A. Ballesteros, A. Sigan, C. Jégat, D. Bärhausen, A. Milchereit), (407) C23

Palladium

Cyclopalladated *N,N*-dimethylferrocenecarbothioamide, derivatives of (M. Nonoyama, K. Hamamura), (407) 271

Diazadiene-stabilised palladacyclopent-2-enes; catalytic addition of various allylic systems to dimethyl acetylenedicarboxylate (C. Munz, C. Stephan, H. tom Dieck), (407) 413

Palladium-catalysed addition of tin–tin and tin–silicon bonds to allenes (T.N. Mitchell, U. Schneider), (407) 319

Palladium-catalysed reactions involving oxidation state IV, changing selectivity in; new synthesis from iodobenzene and norbornene (M. Catellani, G.P. Chiusoli, C. Castagnoli), (407) C30

Phosphorus

cis-Arylhydridoruthenium(II) chelate complexes as catalysts for the dimerisation of 1-alkynes to linear 1-en-3-ynes; molecular structure of $(pp_3)RuH(C_6H_4CF_3\text{-}3)$ ($pp_3 = P(CH_2CH_2CH_2PMe_2)_3$) (L. Dahlenburg, K.-M. Frosin, S. Kerstan, D. Werner), (407) 115

Iron–iridium clusters; X-ray structures of $Fe_2Ir(\mu_3\text{-}C_2Ph)(CO)_8(PPh_3)$, $FeIr_2(\mu_3\text{-}\eta^2\text{-}PhC_2C_2Ph)(CO)_7(PPh_3)_2$ and $Fe_2Ir(\mu_3\text{-}PhC_2PEt_3)(CO)_7(PEt_3)$ (M.I. Bruce, G.A. Koutsantonis, E.R.T. Tiekink), (407) 391

Nickela compounds with a five-membered ring, ring contraction of; use of the resulting four-membered ring compounds in preparative chemistry (H. Hoberg, A. Ballesteros, A. Sigan, C. Jégat, D. Bärhausen, A. Milchereit), (407) C23

Potassium

Potassium/naphthalene induced carbon–hydrogen bond activation; selective catalytic dehydrogenation of 1,4-cyclohexadiene to benzene; isomerisation of linear 1,4- to 2,4-hexadienes (G. Fochi, L. Nucci), (407) 279

Rhenium

PdO catalysed reaction between $Re(CO)_5X$ (X = Cl, Br, I) and L (L = group 15 donor ligand); synthesis of $Re(CO)_4LX$ (A.E. Leins, N.J. Coville), (407) 359

Ruthenium

cis-Arylhydridoruthenium(II) chelate complexes as catalysts for the dimerisation of 1-alkynes to linear 1-en-3-ynes; molecular structure of $(pp_3)RuH(C_6H_4CF_3\text{-}3)$ ($pp_3 = P(CH_2CH_2CH_2PMe_2)_3$) (L. Dahlenburg, K.-M. Frosin, S. Kerstan, D. Werner), (407) 115

μ_3-Phosphinidene-bridged iron and ruthenium clusters, selective hydrogenation of diphenylacetylene and isomerisation of *cis*-stilbene in the presence of (M. Castiglioni, R. Giordano, E. Sappa), (407) 377

$[Ru_{10}C(CO)_{24}][ppn]_2$, reaction with carbon monoxide to yield $[Ru_3(CO)_{12}]$ and $[Ru_6C(CO)_{16}]^{2-}$ (T. Coston, J. Lewis, D. Wilkinson, B.F.G. Johnson), (407) C13

Ruthenium catalysed reactions of ethylene glycol with primary amines; steric factors and selectivity control (J.A. Marsella), (407) 97

1,1′-(1,4,10,13-Tetraoxa-7,16-diazacyclooctadecane-7,16-diyldicarbonyl)ruthenocene, crystal structure of (C.D. Hall, A.W. Parkins, S.C. Nyburg, N.W. Sharpe), (407) 107

Scandium

Mono(pentamethylcyclopentadienyl)alkoxyscandium alkyl derivatives, $(\eta^5\text{-}C_5Me_5)(OR)ScR'$, synthesis and characterisation of (W.E. Piers, E.E. Bunel, J.E. Bercaw), (407) 51

Silicon

Di-t-butylsilylene and tetra-t-butyldisilene, [4 + 1]- versus [4 + 2]-cycloaddition to 1,4-diazabutadiene (M. Weidenbruch, A. Lesch, K. Peters), (407) 31

Mixed trialkyltin compounds, synthesis via trialkylstannyl derivatives of sulphomaleic and 4-sulphophthalic anhydrides (V.I. Shcherbakov, I.P. Malysheva, O.N. Druzhkova, T.N. Chulkova), (407) 181

Palladium-catalysed addition of tin–tin and tin–silicon bonds to allenes (T.N. Mitchell, U. Schneider), (407) 319

Silacyclopropenes, tungsten-catalysed reactions of (J. Ohshita, M. Ishikawa), (407) 157

Tris(trimethylsilyl)silyl silicon derivatives and related tetrasilylsilanes, preparation and reactions of (Y. Derouiche, P.D. Lickiss), (407) 41

Thorium

Trifluoromethyl gallium, indium, and thallium compounds, syntheses of; mechanism of polar trifluoromethyl group transfer (D. Naumann, W. Strauß, W. Tyrra), (407) 1

Tin

n-Butyltinoxo carboxylates, $[^nBuSn(O)(O_2CR')]_6$ ($R' = {}^iPr$ or ^tBu), synthesis and characterisation of; crystal structure of $[^nBuSn(O)(O_2C^tBu)]_6$ (V.B. Mokal, V.K. Jain, E.R.T. Tiekink), (407) 173

Divalent organotin compounds, oxidative-addition reactions of molecular diiodine and dibromine to; crystal structures of bis[8-(dimethylamino)-1-naphthyl]tin(IV)dibromide and {2,6-[bis(dimethylamino)methyl]phenyl}(4-tolyl)tin(IV) diodide (J.T.B.H. Jastrzebski, P.A. van der Schaaf, J. Boersma, G. van Koten, M. de Wit, Y. Wang, D. Heijdenrijk, C.H. Stam), (407) 301

{$Me_2NCH[(EtO)_2P{=}O]_2 \cdot Me_2SnCl_2$} dimer; crystal structure of a binuclear bis(chelate) complex of tin(IV) with *cis*-linked octahedra (J. Lorberth, S.-H. Shin, M. Otto, S. Wocadlo, W. Massa, N.S. Yashina), (407) 313

Mixed trialkyltin compounds, synthesis via trialkylstannyl derivatives of sulphomaleic and 4-sulphophthalic anhydrides (V.I. Shcherbakov, I.P. Malysheva, O.N. Druzhkova, T.N. Chulkova), (407) 181

Palladium-catalysed addition of tin–tin and tin–silicon bonds to allenes (T.N. Mitchell, U. Schneider), (407) 319

Trimethyltin diazoacetic ester, $Me_3SnC(N_2)CO_2Et$, crystal structure of (J. Lorberth, S.-H. Shin, H. Donath, S. Wocadlo, W. Massa), (407) 167

Titanium

Allyltitanium complexes, steric effect of allyl substituent on the molecular structures of (J. Chen, Y. Kai, N. Kasai, H. Yasuda, H. Yamamoto, A. Nakamura), (407) 191

Etheno-bridged *ansa*-titanocene derivatives, syntheses by the McMurry reaction (P. Burger, H.H. Brintzinger), (407) 207

Tungsten

Chromium and tungsten thiocarbene complexes, preparation of; insertion and annulation reactions of (K.H. Dötz, V. Leue), (407) 337

$[CpM(CO)_3PPh_2]$ ($Cp = \eta\text{-}C_5H_5$, M = Mo, W) metallophosphines, reactivity towards alkynes; X-ray crystal structure of $[CpMo(CO)_2\{Ph_2PCH{=}C(Ph)CO\}]$ (H. Adams, N.A. Bailey, A.N. Day, M.J. Morris, M.M. Harrison), (407) 247

Electron-rich isocyanide-substituted tungsten diethylaminocarbyne complexes with a pentamethylcyclopentadienyl ligand (A.C. Filippou, W. Grünleitner), (407) 61

Heterometallic n,π-complexes of transition metals based on mesitylacetonitrile (V.S. Kaganovich, M.I. Rybinskaya), (407) 215

Silacyclopropenes, tungsten-catalysed reactions of (J. Ohshita, M. Ishikawa), (407) 157

Unidentate and heterobimetallic 1,1′-bis(diphenylphosphino)ferrocene complexes, X-ray photoelectron spectroscopic differentiation of chemically distinct phosphorus environments in (H.S.O. Chan, T.S.A. Hor, L.-T. Phang, K.L. Tan), (407) 353

Vanadium

$VO(OR)Cl_2$-induced cyclisation of diketene via ring opening (T. Hirao, T. Fujii, Y. Ohshiro), (407) C1

Yttrium

Organo rare earth hydrides, synthesis and reactivity of (C. Ye, C. Qian, X. Yang), (407) 329

Book reviews

Advances in sonochemistry, vol. 1; edited by T.J. Mason (P.D. Lickiss), (407) C16

Atomic and molecular clusters; edited by E.R. Bernstein (A.J. Stace), (407) C5

Gmelin handbook of inorganic chemistry, 8th edition, Mn—coordination compounds of manganese (G.J. Leigh), (407) C7

Steroids made it possible; by C. Djerassi (J.R. Hanson), (407) C34

The chemistry of functional groups. The chemistry of enols; edited by Z. Rappoport (J.R. Hanson), (407) C16

Transition metals in total synthesis; by P.J. Harrington (J.R. Hanson), (407) C6